

Title (en)  
ILLUMINATED SURGICAL RETRACTOR

Title (de)  
BELEUCHTETER CHIRURGISCHER RETRAKTOR

Title (fr)  
ECARTEUR CHIRURGICAL ECLAIRE

Publication  
**EP 1079738 A1 20010307 (EN)**

Application  
**EP 99918885 A 19990428**

Priority  
• US 9909230 W 19990428  
• US 7178698 A 19980501

Abstract (en)  
[origin: WO9956633A1] This invention is an illuminated surgical retractor (15) for illuminating a subcutaneous surgical field in the space between a vessel, such as the saphenous vein, the subcutaneous tissue when the illuminated retractor is used to retract the subcutaneous tissue away from the superior surface of the vessel, the illuminated surgical retractor having a handle (20) connected at an acute angle (  $\alpha$  ) to a distal end (32) of a first blade section (30), a second blade section (40) that is connected, and substantially co-planar, to the first blade section. A distal end (42) of the second blade section defining an illumination input end (43), a connector (50) coupled to the illumination input end so that a source of illumination can be optically coupled, via the connector, to the illumination input end so that the second blade section is substantially illuminated, and alternatively a bent tip (100) extending from the proximal end (34) of the first blade section to aid in the required dissection of the intervening tissue.

IPC 1-7  
**A61B 17/02**

IPC 8 full level  
**A61B 17/00** (2006.01); **A61B 17/02** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP US)  
**A61B 17/00008** (2013.01 - EP US); **A61B 17/02** (2013.01 - EP US); **A61B 90/30** (2016.02 - EP US); **A61B 2017/00969** (2013.01 - EP US); **A61B 2090/306** (2016.02 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9956633 A1 19991111**; AT E291375 T1 20050415; AU 3669699 A 19991123; AU 740140 B2 20011101; CA 2330658 A1 19991111; CA 2330658 C 20051213; DE 69924368 D1 20050428; DE 69924368 T2 20060504; EP 1079738 A1 20010307; EP 1079738 A4 20030108; EP 1079738 B1 20050323; ES 2241280 T3 20051016; HK 1036206 A1 20011228; JP 2002513610 A 20020514; US 6228025 B1 20010508; US 6350236 B1 20020226; US 6468206 B1 20021022; US 6482153 B1 20021119

DOCDB simple family (application)  
**US 9909230 W 19990428**; AT 99918885 T 19990428; AU 3669699 A 19990428; CA 2330658 A 19990428; DE 69924368 T 19990428; EP 99918885 A 19990428; ES 99918885 T 19990428; HK 01103544 A 20010522; JP 2000546670 A 19990428; US 49614800 A 20000201; US 7178698 A 19980501; US 72365600 A 20001128; US 72404100 A 20001128